



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/487,265	01/19/2000	Toshiki Mori	826.1587/JDH	2955
21171	7590	06/21/2004	EXAMINER	
STAAS & HALSEY LLP SUITE 700 1201 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005			ROBINSON BOYCE, AKIBA K	
		ART UNIT	PAPER NUMBER	
		3623		

DATE MAILED: 06/21/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/487,265	MORI ET AL. <i>MW</i>	
	<b>Examiner</b>	<b>Art Unit</b>	3623
	Akiba K Robinson-Boyce		

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 12 February 2004.  
 2a) This action is FINAL.                    2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-28 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_\_ is/are allowed.  
 6) Claim(s) 1-28 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
     1. Certified copies of the priority documents have been received.  
     2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
     3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input checked="" type="checkbox"/> Interview Summary (PTO-413)          |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
|  | 6) <input type="checkbox"/> Other: _____                                    |

## **DETAILED ACTION**

### ***Status of Claims***

1. Due to communications filed 2/12/04, the following is a non-final office action. Claims 1, 11, 12, 22 and 24 have been amended and claim 28 has been added. Claims 1-28 are pending in this application and have been examined on the merits. The previous office action has been withdrawn, and the following rejection reflects the claims as amended.

### ***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1, 3, 6, 15, 16, 17, 19, 21, and 22-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Oliver (US Patent 5,907,490).

As per claims 1, 6, 15, 16, 17, 21, 28, Oliver discloses:

[An acquisition unit/a first program part for] transmitting a job completion message and receiving a job completion reply from persons in a group who have been assigned part of a job and, obtaining information indicating whether each of a plurality of receivers of a message, who in a group do a job associated with the message, has completed an

Art Unit: 3623

assigned part of the job, (Col. 6, lines 34-42, w/ Col. 7, lines 11-22, where the graphical user interface and touch screen represents the acquisition unit and helps complete EV analysis , Col. 3, lines 30-37, where EV analysis helps measure wheat has been accomplished on a project, Col. 7, lines 61-62, where the transmission of a job completion message is represented by presentation of initial EV information, which includes percent complete information as shown in Col. 8, lines 21-29, also Col. 8, line67-Col. 9, line 4, where the job completing message transmitted is represented by the user clicking on the number on the screen in order to receive percent of project complete information, in addition, Col. 9, lines 4-9 shows the job completion reply since a response about the percent of a project completed is disclosed);

[A control unit/a second program part] based on the information obtained by the acquisition unit, causing a terminal apparatus to display information indicating a ratio of persons who have received the message and completed the assigned parts of the job to all the persons who have received the message and have been assigned the parts of the job/wherein the control unit causes the terminal apparatus at the transmitter of the message or the receiver of the message to mandatory display the information indicating the ratio of the persons who have completed the respectively assigned parts of the job among all the plurality of receivers of the message doing the job the is associated with the message, (Col. 7, lines 5-10 and lines 38-41, where the control unit and the second program part is represented by the EV analyzer program in the computer, Col. 8, lines 21-29, where Oliver discloses the "ratio" through disclosing EV-related information pertaining to the percent complete. In this case, the "ratio" in Oliver is disclosed to be

Art Unit: 3623

the percentage of the project completed based on earned value for the work performed to the total project baseline. In this case, even though the percentage of the project completed is determined through the earned value, the percentage of the project completed is still determined and represents the completed assigned parts of the job. In addition, the total project baseline represents the all assignments in the job. Therefore Oliver's "ratio" is analogous to the "ratio" of the claimed invention).

It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to disclose the ratio of persons who have completed the respectively assigned parts of the job amongst all the plurality of receivers of the message doing the job with the motivation of determining which jobs are complete and which jobs are incomplete for assignment purposes.

As per claims 3, 19, Oliver discloses:

Wherein the control unit causes the terminal apparatus to display a completion state table comprising information indicating the ratio of the persons who have completed the respectively assigned parts of the job among all the plurality of receivers of the message doing the job and the title of the message, (Col. 8, lines 21-29, where the ratio is represented by the EV-related information pertaining to the percent complete being displayed , Fig. 1, where this bar chart includes EV information that represents what has been accomplished as the project progresses. This chart also includes completion information as described in Col. 4, lines 23-41. Since Oliver describes that a chart can visually represent the ratio information about completed tasks, it is obvious to

include the completion state ratio in a table since a chart represents information in tabular form).

As per claims 22, 23, Oliver discloses:

A message generation unit generating a message to which attached is a entry space for entering a completion date offer indicating a completion date each receiver desires to agree in place of the completion date stated in the message, (Col. 6, lines 34-46 and lines 57-62 w/ Col. 8, lines 21-29 where it is shown that the user can utilize the computer interface to input EV-related information which can include percent complete, in this case, the message generation unit is represented by the graphical user interface (GUI), also Col. 1, lines 20-25, where the completion date is also represented by the finish dates); and

A control unit causing a terminal apparatus to display in a table form the title of the message, names a plurality of the receivers, the completion dates entered into the entry spaces attached to the message by the plurality of the receivers respectively and a ratio indicating a number of receivers who have completed the parts of the job/wherein the control unit causes the terminal apparatus to display in a table form information including a ratio of persons who have completed the respectively assigned parts of the job among all the plurality of receivers of the message doing the job that is associated with the message,

Art Unit: 3623

(Col. 8, lines 21-29, where the ratio is represented by the EV-related information pertaining to the percent complete being displayed , Fig. 1, where this bar chart includes EV information that represents what has been accomplished as the project progresses. This chart also includes completion information as described in Col. 4, lines 23-41. Since Oliver describes that a chart can visually represent the ratio information about completed tasks, it is obvious to include the completion state ratio in a table since a chart represents information in tabular form and where the control unit that causes the terminal to display is represented by the project management software which include the object link, Col. 9, lines 1-9, [ratio]).

As per claim 24, Oliver discloses:

Transmitting a message to individuals of a group concerning parts of a job assigned to the individuals, (Col. 7, lines 59-62 w/ Col. 4, lines 23-41, where the EV information, which includes the parts of a job that have been accomplished as the project progresses is presented);

Obtaining reply information concerning job part completion, (Col. 6, lines 37-41, represented by the completion of Task B, (col. 9, lines 4-6, [response]); and

Displaying a ratio indicating a number of individuals of the group who have completed the parts of the job, (Col. 8, lines 21-29, where the ratio is

represented by the EV-related information pertaining to the percent complete being displayed).

As per claim 25, Oliver fails to disclose:

Wherein the ratio indicates a number of individuals who have opened the message, (Col. 8, lines 21-29, where the ratio is represented by the EV-related information pertaining to the percent complete being displayed where the number of individuals who open the message are the same individuals who complete a percent of the task or parts of the job).

As per claim 26, Oliver discloses:

Wherein the ratio indicates a number of individuals who have completed a job part task, (Col. 8, lines 21-29, where the ratio is represented by the EV-related information pertaining to the percent complete being displayed).

As per claim 27, Oliver discloses:

Wherein the ratio indicates a number of individuals for whom a job part task period has expired, (Col. 4, lines 40-41, represented by the task actually being completed).

As per claim 28, Oliver discloses:

Obtaining the information concerning job part completion from individuals of a group working on job parts , (Col. 6, lines 37-41, represented by the completion of Task B, (col. 9, lines 4-6, [response]); and

Determining a ratio indicating a number of individuals of the group who have completed the parts of the job, (Col. 8, lines 21-29, where the ratio is represented by the EV-related information pertaining to the percent complete being determined).

4. Claims 2, 4, 5, 7-12, 14, 20, 18, are rejected under 35 U.S.C. 103(a) as being unpatentable over Oliver (US 5,907,490) in further view of Nakaoka (US Patent 6,092,048).

As per claims 2, 18, Oliver discloses the following:

Wherein the control unit causes the information indicating the ratio of the persons who have completed respectively assigned parts of the job to be displayed, (Col. 8, lines 21-29, where the ratio is represented by the EV-related information pertaining to the percent complete being displayed);

Oliver fails to disclose the following, however Nakaoka discloses:  
together with a title of the message in response to one of a display request of a user and on fulfilling predetermined conditions... (Col. 4, lines 19-35, represented by the task title where "CREATE REPORT OF INVESTIGATION" represents the request of a user).

Art Unit: 3623

It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to incorporate having a title of the message in response to the request of a user with the motivation of actually displaying and allowing the user to visually distinguish one request from another. As per claims 4, 20, Oliver discloses:

Counts the number of receivers who have activated the confirmation button for causing the terminal apparatus to display the information indicating the ratio of the persons having completed the assigned parts of the job, (Col. 8, lines 21-29, Oliver doesn't specifically disclose the number of receivers who activate a confirmation button is counted, however the ratio is represented by the EV-related information pertaining to the percent complete being displayed and in order to determine the percent complete, one must determine a count for the number of tasks completed);

Oliver fails to disclose the following, however Nakaoka discloses:

A message generation unit generating a message provided with a confirmation button by which each receiver of the message can individually inform that the receiver has completed the assigned part of the job to the transmitter of the message; (Col. 13, lines 19-23, represented by the completion button);

Wherein the control unit judges when the confirmation button is activated by a receiver of the message that the receiver has completed the

Art Unit: 3623

assigned part of the job (Col. 13, lines 23-25, represented by placing the task entry in a completed state).

It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to incorporate a confirmation button with the motivation of having means to determine the number of users that completed the task.

As per claim 5, Oliver discloses:

The message comprises task completion date/the message generation unit generates a message to which attached is an entry space for entering a completion date offer indicating a completion date each receiver desires to agree to in place of the completion date in the message, (Col. 1, lines 20-25, represented by the finish dates);

the control unit causes/a control unit causing a terminal device of the transmitter apparatus at the transmitter of the message to display the completion date offer that is entered in the entry space/a control unit causing a terminal apparatus to display in a table form the title of the message, names a plurality of the receivers and the completion dates entered into the entry spaces attached to the message by the plurality of the receivers respectively and a ratio indicating a number of receivers who have completed the parts of the job, (Col. 1, lines 25-32, represented by the PERT chart, Col. 9, lines 1-9, [ratio]).

As per claim 7, Oliver discloses:

Wherein the control unit causes the terminal apparatus to display the information indicating the ratio of the persons who have completed the assigned parts of the job when one of a specified date for completing is a current and when the ratio of the persons who have completed the assigned parts of job reaches a preassigned value (Col. 8, lines 21-29, where the ratio is represented by the EV-related information pertaining to the percent complete being displayed and in order to determine the percent complete, one must determine a count for the number of tasks completed); As per claim 8, Oliver discloses:

Wherein the control unit causes the terminal apparatus to display the information indicating the ratio of persons who have completed the assigned parts of the job on a day specified by a transmitter of the message in advance (Col. 8, lines 21-29, the ratio is represented by the EV-related information pertaining to the percent complete being displayed and in order to determine the percent complete, one must determine a count for the number of tasks completed.

As per claim 9, Oliver discloses:

An acquisition unit obtaining information indicating whether each of a plurality of receivers of a message, who in a group do a job associated with the message, has completed an assigned part of the job, (Col. 6, lines 34-42, w/ Col. 7, lines 11-22,

where the graphical user interface and touch screen represents the acquisition unit and helps complete EV analysis, Col. 3, lines 30-37, where EV analysis helps measure wheat has been accomplished on a project);

A storage unit storing information identifying a message, (Col. 6, lines 59-62);

Oliver fails to teach the following, however Nakaoka discloses:

A control unit causes a terminal apparatus display information indicating a ratio of persons who have completed respectively assigned parts of a job associated with the message among a plurality of receivers of the message, (Col. 7, lines 5-10 and lines 38 41, where the control unit and the second program part is represented by the EV analyzer program in the computer, Col. 8, lines 21-29, where the ratio is represented by the EV-related information pertaining to the percent complete being displayed).

Oliver fails to disclose the following, however Nakaoka discloses:  
and information indicating a name of a transmitter of the message, a name of a receiver who has completed the assigned part of the job in a mutually associated manner; (Col. 3, lines 25-26, represented by the creation of a task entry by a user, Col. 3, lines 1- 13, where the receiver is represented by the information on the worker and if the task given to the worker has been created//completed)

It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention for information indicating a name of a transmitter of the message, and a name of the receiver who has completed the assigned part of

the job with the motivation of correctly identifying users in the message processing network so messages can be properly routed.

The following is not disclosed by Oliver nor Nakaoka however is obvious with the invention of Nakaoka since the environment of this system is a network type flow. In this type of environment, the transmitter will always be known as the network:

A name of a transmitter

As per claim 10, Oliver fails to teach the following, however Nakaoka discloses: Wherein said control unit causes the terminal apparatus to display an event announcement table containing information relating to a plurality of events, (Fig. 7, Col. 10, lines 33-43, represented by the event condition table).

It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to display an event announcement table with the motivation of displaying necessary information for the correct evaluation of event status.

As per claim 11, Oliver fails to disclose the following, however Nakaoka discloses:

Wherein said control unit to generate an event announcement table according to schedules associated with a plurality of received messages, and announces contents of a receiver by instructing a terminal apparatus of the receiver to display the event announcement table, (Fig. 20, Col. 16, lines 48-58, represented by the event rule list display).

It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to generate and display an event announcement table with the motivation of table with the motivation of displaying necessary information for the correct evaluation of event status.

As per claim 12, Oliver discloses:

Wherein said control unit stores event information, for each of a plurality of events that take pace in a manner distributed in a multiplayer timeline chart, describing about details of each event, time-schedule of each event and participating persons in each event in a mutually associated manner, and generates a plurality of events based on the event information, for displaying the event announcement table when a message is generated, associating contents of a plurality of events in a time-series multiple level structure, (Fig. 1).

As per claim 14, Nakaoka discloses:

A message generation unit capable of generating a message to which attached is a condition for deleting the message, so that the message which the condition for deleting the message is attached can be deleted automatically based on one of a certain period after the message being generated and in accordance to the attached condition by an independent act of a transmitter or a receiver of the message, (Col. 13, lines 9-17, represented by the user being able to change the value of the task title column where the value is what is used to transmit the message and represents the condition).

It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention for the message to be generated in accordance to a condition with the motivation of correctly transmitting proper messages to the correct users.

5. Claim 13 is rejected under 35 U.S.C. 103(a) as being unpatentable over Oliver (US Patent 5,907,490), and further in view of Beck et al (US Patent 6,370,508).

As per claim 13, Oliver fails to disclose the following, however Beck et al discloses:

Further comprising a message generation unit attaching an indicator to a confidential message indicating a need for limiting transfer of the confidential message, wherein said control unit limits transfer of the confidential message to which the indicator is attached, (Col. 27, lines 52-65, where the indicator is represented by the identifier).

It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to incorporate a confidential message identified by an indicator with the motivation of securing the confidentiality of the message and not allowing this type of message to be displayed to the wrong people.

#### ***Response to Arguments***

6. Due to the amendment filed 1/12/04, the objections given to claims 11 and 12 have been withdrawn.

7. Applicant's arguments filed 2/17/04 have been fully considered but they are not persuasive.

As per claim 1, the applicant argues that Oliver does not disclose ratio information. However, Oliver does disclose the ratio information through the EV analyzer program in the computer in col. 8, lines 21-29. Here, Oliver discloses that the percent complete information can be determined and displayed. This percent complete information represents the ratio of persons who have completed the respectively assigned parts of the job. In addition, theis "ratio" information is presented more clearly in Col. 8, lines 21-29. Here, Oliver discloses the "ratio" through disclosing EV-related information pertaining to the percent complete. In this case, the "ratio" in Oliver is disclosed to be the percentage of the project completed based on earned value for the work performed to the total project baseline. Even though the percentage of the project completed is determined through the earned value, the percentage of the project completed is still determined and represents the completed assigned parts of the job. In addition, the total project baseline represents the all assignments in the job. Therefore Oliver's "ratio" is analogous to the "ratio" of the claimed invention.

As per claims 1,9, 15, 17, 21, 22 and 24, the applicant also argues that Oliver fails to disclose a message being sent to a person assigned a job and the person responding with the completion state of the job. However, the message is represented by Col. 7, lines 61-62 where initial presentation of EV information

is made after task data is obtained. After this is done , Oliver shows that responses such as the percent complete is determined in col. 9, lines 1-9 which also represents the job completion messages. In addition, the reply-confirmation button in Nakaoka *in combination* with the message limitation of Oliver discloses the limitations of claim 4. Also, the Beck identifier represents preventing or limiting a transfer since it is not possible to transfer data without accessing it .

For the resons sated above, the rejections for claim 1-27 have been maintained.

### ***Conclusion***

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Akiba K Robinson-Boyce whose telephone number is 703-305-1340. The examiner can normally be reached on Monday-Friday 8:30 am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tariq Hafiz can be reached on 703-305-9643. The fax phone numbers for the organization where this application or proceeding is assigned are 703-746-7238 [After final communications, labeled "Box AF"], 703-746-7239 [Official Communications], and 703-746-7150 [Informal/Draft Communications, labeled "PROPOSED" or "DRAFT"].

Application/Control Number: 09/487,265  
Art Unit: 3623

Page 18

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

A. R. B.

June 7, 2004



TARIQ R. HAFIZ  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 3600